

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



529402

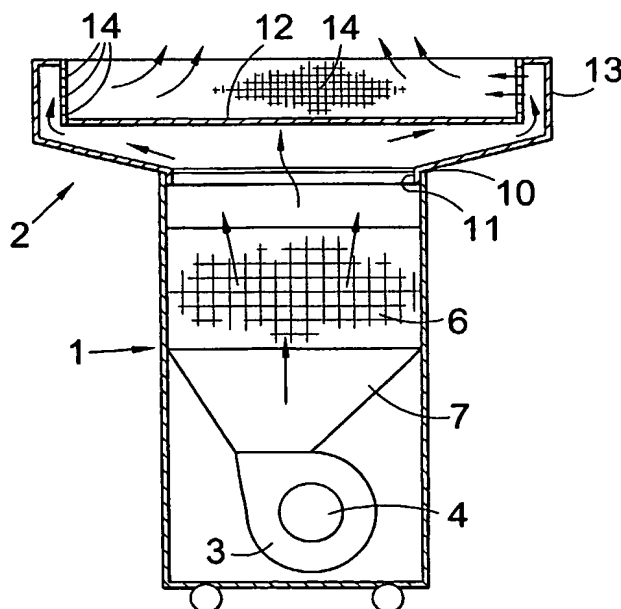
(43) International Publication Date  
15 April 2004 (15.04.2004)

PCT

(10) International Publication Number  
**WO 2004/030562 A1**

- (51) International Patent Classification<sup>7</sup>: **A61B 19/00**, 19/02
- (21) International Application Number: PCT/GB2003/003915
- (22) International Filing Date: 10 September 2003 (10.09.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 0222808.8 2 October 2002 (02.10.2002) GB
- (71) Applicant (for all designated States except US): **SILSOE RESEARCH INSTITUTE** [GB/GB]; Wrest Park, Silsoe, Bedford MK45 4HS (GB).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **BURFOOT, Dean** [GB/GB]; 19 Millards Close, Flitwick, Bedfordshire MK45 1AS (GB).
- (74) Agent: **WHITAKER, Iain, Mark**; Sommerville & Rush-ton, 45 Grosvenor Road, St Albans AL1 3AW (GB).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**  
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: STERILE AIR TROLLEY



(57) **Abstract:** A sterile air trolley comprising a mobile casing having at least one air inlet in its lower region and a plurality of air outlets in its upper region, and enclosing impeller means operative to move air in through the at least one inlet, through filter means and out of the casing by way of the outlets, the upper region of the casing providing a substantially horizontal work surface, characterised in that the work surface has an upstanding boundary wall extending around its perimeter whereby the work surface and boundary wall form a tray, the boundary wall being hollow whereby the filtered air is directed into the boundary wall and is emitted through air outlets in the boundary wall facing inwardly over the work surface from opposing sides.